National & Jacque on 2 terralgin perthe Capece

Dector of Moedecine in the University of Consolvania

Pennsylvania

January 1828



An E say on Neuralgia.

The disease intended to be sufficed under this title, has of late attracted much uttention, air rung year the painful characters had from the introducts and observe notice of the complaint. This spages and undertaken with the bound pay theory, any additional light on a subject which has engaged the attention of abler and more experiences persons but for the facilities of cellating and arranging the various epimiens and facts appertaining to the inquiry and to conclusive and facts appertaining the hadrony, of the various epimien who are assumed compatible to hadrony, the various remedical which, it affects the research have been compleged in the our of the disease.

The name Navadym (dereved from vozon, nervous and adjosedator)) we located as the invest opportunite of angel the terms confleged to davignate the disease. The strength of many given by Mostudio is limit to objection, with word Two weften used in the sume strength and frimus the last and after used in the sume sumsease. Trimus there



iz confounting two diverses which are enterly diffi milar, The same objection roll apply to Trumud Delevificus" the name proposed by M. Gruvuye.

The names employed by To I ("a print a affection of the frace") and I Totherful ("Succion more in the frace as gene interests in confirm one in affection affect as gene interests in confirm the frace. Even the latter term may avaluate affect the frace. Even the latter term may avaluate to the same signification as or avaluate, by the sampling the first word of the term. The term that affect the term the term of the matter of the matter or seal of the interest.

With regard to the present of which the disserved from mutation appearance, nuthers are it received a state of suppresents, other states of Suppresents, other states of Suppresents, other a state of Suppresents, other as the state of Suppresents of the state of the suppresents of the careful of the trade of mutating the land of contary, Dujet who trust taken the greatest state in this inquiry was unable to always him-



self that the ancient Greek writers were acquainted with the disease. He gives the credits of the firsts accurate description, to Ma Andre of Versailles, who noticed thin his treatise on the diseases of the Urethin published st. 2. 1736. This opinion is the one most gen wally actopted at the present line . Since this period Sappears to have been more frequently noticed. It was next netweet in France by Me Louis in 1700, Julise quantly by M. Viellard in 1768; and by Payel and Thourst about 1182. The first notice of the distant in England appreared in the third bolume of Medical observations and inquiries, in a case detailed by 200 J. Fothergill in a paper entitled " Observations en the use of Homlock. This slight notice was followed in the fifth volume for the year 1773, by a paper from the same author devoted entirely to the consider ration of this disease. The next notice was by De f Haightow in the medical Records and Researched. A.D. 1798: This was followed in 1804 by the systematic treatise of De & Fothergill, and still later by sove



nd ether observations some industriet sping, others in the different periodical publications of the day, appended to be various cases noticed by the authors.

If immigity of a never was the beginnent to be a marked the beginning from in the came together with convention and consistency of the mightening must be covered to the might ming must be covered to the might ming must be covered to the second to the content of the convention to th

The course of the disease, are not always drives sum persons becoming affects without arysppa new course. They may be never be vivided into Lealand Gueral course. The Secolary injuries, as partial discipling in purchase contaction or any cognise lesses; of the new cost file, "Tunners perforing apen courte section a nerves, slight inflamation or congestion of the neuritima, a various state of its vains and



the irritation of decayed feeth. The papage of a calculus through the Meter gave rise in one case to Wairalgia of the Volurater neve, and inflamation of the soft parts round the root of a nerve has been the cause in another, The General Causes are not so will known, but the following may be montioned as having a great share in the formation or aggravation of the disease when formed, First, Such as by their action on the general system are known to produce to cal effects, as, exposure to a cold and moist ratine sphere, Vicifitudes of weather, y. Hecond, Such as produce constitutional derangements Though these causes may be denied to produce the disease. get they must beacknowleged lo act as powerful agents in aggravating it when by the action if any cause it has been produced.

This disease is not confined to any particular schoof nerves, but may affect all the nerves of sensation, especially those which are scated superficially and in loose collular texture. The nerves



thus situated are more exposed to the action of external agents, wes, injuries, cold, changes of weather & The form which is most usually seen is that of oreuralgia facici, affecting the branches of the fifth pair of nerves, The second or subertitar branch w more commenty affected than either of the oth ers. The next in frequency is that form denoud nated neuralgia femeropoplitei. The other forms are comparatively cure. The proulier names given to the disense according as it affects different parts are no further useful their as pointing out the location of the disease. The occurrence of two forms of this des case in the same person is selden seen. Cases of this kind are said to have occurred to Bichats Cetuy no and Fouguets

The furied of life atmospher the disease cover a stated by L & The livereff to be about the failable year. This may be admitted as be about about its amount amountey days, loves hence or have concerned about much cartier paried. If thirty nine conserv-



perted in the different medical fournals and in which the age is mentioned, twenty nine were above forty, six between thirty and forty and but four under thirty years of age, The line of life muy farhajes be more correctly designated as, that period at which the system appears to be loosing its balance and becoming liable to be affected by slight caused This period varies in different persons according to their natural constitution, their previous manmers and habits of life and the more or less fre quent action of these causes which have a tendency to tring on premature old age. The sectenta ry lives of fernales would seem likely to venderthim more susceptable of the disease, but that they are de, oppears doubtful. It occurred thus in the practice of Sof Fothergill, but in that of Projet the centrargettained. In exhibiting the symptoms of this discorde

Musk whiteling the symplems of this disease that form witt be solveted which most frequently count, as affording the ball specimen of the affection. We the characteristic signs are thosome



inall parts of the body, the disease may be recogni-Ad with equal facility in any other form by taking into consideration the anatomical struture of the uffeeled parts It form of this diseaseis described by some of the Gooman writers in which an intermittent charactiris clearly manifested by the attacks recurring at re quelar intervals. The aftertions of the existence of this form are received with doubt by many and by others entirely rejected, on the ground that the disease has ban confounded with Rhoumatism, Homeevaniaer some other affection of the head, which are well known to assume a periodical character, Whether this form exists, is not pretended to be offirmed or deniced, but until these accounts receive further confirmation they may be accounted as observations not firmly to be relied on. The disease will therefore be considered without rang reference to its afoumption of a periodical character. The disease in its commence ment varies in its mode of allack, semetimes beginning suddenly in severe parexysms, abothers in seelight.



a manuras to allract but little notice, and only excites atuntion after some time by the greater frequency and neuterufs of the paroxyoms, while on other occasions is, apames a form much resembling Rhoumatism, which with course gradually justs on the appropriate signs of this disease. Inwhatever manner the disease may commence, the form which it ultimately exhibits will withe same. He attacks are marked by parengenes cour ing at inequar intervals and of uncertain duration, earging from several seconds to as many minutes. The purexyes ace generally sudden in their allack, leaving the patients in a street time in a state of comparative and often perfeet sende, At times these parexy and are preceded by unacute pulsatile pain, which DI Jenes afilly compans W"the ritrations of a musical cherd" At this period on observing attentively the parts to which the affected neve wedistributed a slight convulsive action of the muscles may be seen, which action seems to be syndround with each thret of the pain. This threbbing pain is often more disagreeable, though not so violent as the weute



pain of the parexysm. The pain in this disease is wente and lancinating, steerling along the course of the nerve from its extremities to its origin. The sensation has been compared to farning or being, tearing or cutting the flash from the benest, When we see a patient attacked with a pa rexysmof this disease, we observe him to become suddenly, motionless, even in the most uneasy posture. The countenance is expressive of interest agony, the brows are kutt, the eyelids compreped, the angle of the mouth drawn towards the our, the treathing is slew, amounting at times tealmost a total comation of respiration, and the patient oppours as if agraid of the slightest motion, the whole appearance pertraying in visible signs the intensity of the suffering, These parerys moure semetimed accompanied by reducts or watering of the eye of the affect led side and a flow of saliva from the mouth, It is some times the case that by hard prefoure or ruthing the hand upon some particular spot, the policurean alleviate the paint This is not at all times the case even in the same

person. but is generally perceived at that time when



the purexysms occur with least frequency, The purex. gamis are left numerous during the night than during the day, owing to the patient being in a state of insensi hilly and to many of the exciting causes bring withdrawn The state of stup atom downth provedt the acception of a pareagetin, as by the lightest touch of the beddethis the patient may be transferred from the soundest sleep to a state of intense suffering. The parexyous occur attende periods more prequestly than at others, These periods vary from a few days to as many months in duration, while some are at all times equally affected. Variations of weather influence the frequency of the parexysms, they being more prequest in cold and damp than in warmand ary weather. Occasionally the disense disappears spenta - woundly and sever again returns, but mostly after an internal of last it receive with its former richence. These intervals are the more proquest when the disease is of short standing. In these cover though the puliest may be flat tered with the hope of entire velief, yet a renewal of the disease may confidently be expected Notwitholanding



the author of the pain, there is every any meeting or search of the sent secret sail by the set of the sent secret sail by the provide action the affected survey are distributed, may be seen. The survey are distributed, may be seen. The survey are to be of a faceophig matic character and to be caused by overly of protation, as it cheappears in a shart lime and necessary with the case we are survey and the survey are survey and the survey and the survey and the produce a pareagm, a slight make mean action of the produce a pareagm, a slight making makin value of a survey and or a gentle current of an of productive of exercicaling pain.

New radgia may be conferred with Sauria, blue salgia, blu



would seem proper to point out the diagnostic symplems of the disease.

Just seem of observe according to A. Mortinto proceed in framatine of the according to the mention of the medical securities and the same particle of the securities are the securities and the security from the appeting the same particles for making the teach, it has been it to tech. It have come the tech. It have come the tech. It have come to tech. It have come the thing contains with only occasional exactor believes and confirmations, the according in the normal generally confirms. An amplitude the ellips of the normal generally of the force on the medical securities and the further was more considered to the contains and the further was according to the contains and the further was the top of the contains and the further and the top of the contains and the further and the top of the contains and the contains

o Veuralyia may be autinguished from letenlating by ito convering generally at an age when harfow teeth remain, by the streetwipe of the furroxyim, the intervals of case and the exacting nature of the pains white in lauritation the pains it days teateurand may asually be traced to the instation of a decoyed



with, and more particularly evinced by striking the

Som Hemerman it is to being generally a finopportunk in the prome or bring generally pariented, the pain fixed to exceptionin upot continuing seems lingth of time und disappearing in a gradual man more the pain life, win dea not jetter the come of any more, and requires stronger conducted produce on ex-

Sin appetiens of the Antium cliffer in their spoptime from extractiful in the future being constant empirical to the region of the antenn never during in the seame of a norve, and by the althinate spin, as they be minate by extracting of prove cance constituently deforming. The effection was about much under the influence of external agency.

Some discording of symptoms excit between Nicoliyn and Ahramakinn, the pain in the person bengamb, bominating, intermitting and pelacing the source of a throw; white in Ahramatism, in frience, constant and



wa in the shute form though sharp, get not so exquiste as in Seuracyius In the Chronic form testices traing constant the auct and heavy and not covited by stight courses.

From Grat to may be distinguistically the saudinedpaline and recurrence of the furnisciption throw of Grat being of longer centinuance, and accompanient by legal information.

Syphilitle pains are aistinguschable by the frecious histery of the complaintrana their period of exacircus history of night when the pulsist is warmin bed. The information obtained from positruotim

comminations is even at the present period extremely limites. Sethe cincove rever present path if the operation of detecting the specific condition of detecting the specific condition of the appeted specific condition of the appeted part of the server of the appeted part white in sense cours neederialing from the health grain had to memorate the configuration of the sense of the period, in other discovered appearance of the period. In other discovered appearance of the sense of the



anianateminimang mere denna than usualisha another the measterna was overved with environe vide another network state, in the proposable that vide usualishe is upinional, as the vide usualishe the vicensalism avoid out for a distincting out of his any have consected into the survey unding ellection besture. Henge the two grantees are the two there existence to turnen profession are been found to the two there existence to turnen profession as the content of the anial survey of the theory of the entered of the the proposable that the vicenses of private and the vicenses of the survey of the anial the two there is a difference that from anial in the source, we difference that from the with the course may be there here an except in the formation were centered to the vicenses in which the morbid for material were centered to the very test the the morbid for material were centered to the very test.

Mench difference of efinien existent to the presimate value of Describin, contraction retiresfield in consequences of Describing the ligarians of the weather entirely the five grands of the number of hypothesis account for without and the number of the source, when can be considered to the source of the work of the source of the source



dence. Andre while the knowledge of the diseasewas in its infancy, suffresectit consist in an irritation of the nerves, and contents himself with merely expressing this opinion without pointing out the nature of the irrita ting cause. To this opinion succeeded that of Projet, who undeavoured to preve the disease to be anhabitual state of crethism" of the nerve, depending on theadien of a secondary cause to produce a parexysm. This hypothesis was rejuted by Thourst, who entering mimately into the subject of Cramp mountained the utter difficultarity of the two discovers. Dof Fothergill forming his opinion from the presence of certain local affections in these who came under his care, was led to consider the disease as connected with a concerned diathesis. The pertinent remarks of I' Haighten suffice to show the fallacy of this opinion. De Fothergill is not the only writer who how connected this disease with other affections of the system; Some later writers have made the preximate cause to consist in an arthritic diathesis, founding their ofic



nien on the fact, that these pains disappear on an attacket gout, and from observing at the affected point tumor which They suffered to resemble these canved by Guer, But as observed by Dof. B. Hurray "as this hypothesis is not applicable to every case it is inadequale to explain the mystery" By 2 " Parry the disease is located in the capitlary refsels of the neuritema and said to consist inan sine readed vadeularity or determination of blood forhapes amounting to inflamation jef that purt. That this is sometimes the case is shown by Post merten ca aminations, but other phenomina also present which are not consonant with this theory. To Amstrong this disease appeared as a congestion or increased action in the vefsels of the brain." This cannot be the casein those attacks which have their origin in local earness. assinjured, te. the hypothesis therefore falls short of explaining the nature of the disease. By Hernethy, Wilson and others, the elisease is said to consist ina mertid sympathy, having its origin in the digestive organs. However active such affections may be in



aggravating the disease, it remains doubtful what share they can have in its formalien. They can hardly be supple sed effective any parther than to render the parts more sew explable to the action of the causes of the dis -cade. The partial and limited nature of the views here laid down is manifest. Each cultior relying totally on the couses which have fallen under his own observation and have willted to some peculiar medeof treatment, fame his opinion from these alone, putting entirely out of view these outes which militate against his dectrine, It is ening to this, that the disease has been so differently local tell and connected with affections presenting different whenemena. These partial views would get be useful, were it not that relying with too much confidence on their correctness, remedies would be rejected, which others have found useful or we would not inconsistently lyem pleying measures not in harmony with our system. On the other hand, rejecting every theory, we definite our selves of any clear indications in the choice of our remedial resources and we are compelled to act empi



rically or from a blind realine. From these circumstances we scare induced to adopt the opinion which offuers most consis dear with our present knowledge and by which we can explain the action of our remedies, at the same time, not to be so far carried away by theory as to loose sight of officing facts, but to leave the way open to purther improvement undeer notion. Guided by these views we may appear errin turning our thoughts so far back, as to unoft the opinion first offored by Andre and subsequently revived in the Dielan naire de Veience medicale, but we hope by means of the infer strength to the doctrine. Weuralque then, we are led to een dude, consists in an irritation acting on some portion of a ner rous chord, producing a partial interruption of its functions and exhibiting its effects only only when the nerve is acted on by the secondary or exciting causes. We shall undeavour to draw some arguments in favour of this find on from the Lymptoms, Causes, Phonomena displayedby difection, and the articles employed in the cure of the disease. The Tymptenes alow are not adequate for the



formation of an opinion of the nature of the disease. They suffice to show the location of the disease and the irritable state of the nervous fibre, without giving any idea of the cause of this state . From them, though we cannot tearn what is, get what is not the cause of the disease is manifest. There is not an weute inflamatory action in the neuritema. This the duddenly intermittent nature of the pain entirely disperses, per in inflamation the pain is constant, varying occasionally in force, but not intermittent, the latter trait (intermission) is more characteristic of and frequently conjeined to irrita tion. Failing to draw any acductions from the symptoms we must resert to other circtances to ascertain the nature of the disease. Of these, the causes first altract our allention and first of mechanical injuries. When the disease arises from this cause it pursues the following course. The injury is inflicted, causes much pain and is either wither without a wound, the injured sput soon resumed its nate rat appearance, perevious to which or soon after, durling pains are felt in the course of the nerve, and increasing



in frequency and exterit; exclibit the churucteristic opposer ances of Navalgia. Here a cause of inflamation not sand preduces ils apprepriate offects, these disappear and wre succeeded by other phenomena evidently the rould of the previous disease. To ascertain the probable nature of these, we must resert to the usual terminations of inflamation. There may remain a chronic dilatationer congestion of the refsels, an effusion of some or ocaquialle lympth, any of which may by their presence prove a cause of irritation. A turalgia is said to be frequently connected with decayed teeth. This connection may be explained upon the principle that disayed teeth act as foreign bodies, fire ducing irritation of the extremities, which irritation is propagated through the course, of the affected nerve.

There is reparted by Tailly in which the obtains man about affected, and by this it was estimated in the paper of accordance the rough the thretory This open continues and accordance the circumstance that the six as made and good and accordance and paper accordance who there is no paper accordance with the thrine. If he did not error in his creekastin,



this cade presents features which are much in favour of nor dectrine, A hard, inequelar substance is placed in the neighbourhood of a nervous chord, but enclosed in a mom tranous sheath, and produces this disease. That it is not by causing an inflamatory action that these effects are produced, is manifest; as in that case the calcu lus would not have passed so readily; it may have caused congestion, which would have proved irritating by limiting the action of the nerve, Cases are related by IN To & vans, of this disease affecting the supe ner extremities, which were traced to an inflamation about the corvicae vertitore. In this inflamation the ner vous fibre did not participate or the fact would have been manifested by the constancy of the pain, but the disease was caused by the profsure and irritation of the swelling on the merves, We have now considered all the ear ses from which any just inference may be drawn Weshall

next take up the provisionena as an played by differtion. The diversity of those phonomora, show that the nerve's net along Similarly affected. However then affections may lifter their



action is the same, they are all expeable of irritating organs of such exquisite sensitility; other where situated their of feeld would be unneficed, but exerting their action en parts formed to be affected by slight causes the result may en sily conceived. The remedies used in the cure of the disease would also seem to point out irritation as the proximate cause. Waretist are used, and those are most effectual, which canden the surveus sensibility. Fenies are reserted to, and by imparting tone to the general system, render particular parts left susceptible toir vitation: Counterivitants are employed and act by substituting an irritation casily controled, per one that is hidden and left under our immediate management, The opinion we have advocated receives additional sup port from the succept altendant on the operation of divi ding the merve, in which the communication between the senserium and affected part is completely interrup tea. In thus offering our feeble offerts in facourof the doctrine of Andre, we can hardly expect to convey convice tion to the minds of there and we must and de rest in the



samele hepe that the acquithin of more specific knowtage in this perties of pathelogy, may wither confirm the theory we have definition or substitute on move constitute without the phenomena commental with the distance.

Six came of the durane, we have during my be six make in any persence of the mene. When an injury is in factor on a more or is immaterial open what proting had not a most adjust reason is not to again of producing hat, with this saif ference, the ratio the trank receives the injury, the effects are excitation in the direction of its investing, but is then the outer which, the effects appear in the trunk and immobilities, the effects appear in the trunk and immobilities, the effects appear in the trunk and immobilities of the investigation of by its influence and a the immobilities this influence and at the immobilities this influence and a the immobilities of this influence and



From the uncertainty in which the true nature of the chickens in yet involved, to be difficult to log draw any accurate indications in its treatment, he consideration this objectively, the comment on the variagin the remodence hillsafe employed, we are immered to accome the correlate accounts among a the correlate accounts among a configuration of the correlate accounts among a configuration of the correlate accounts among a configuration and appear the view we have endeavenered to end aim.

Class first. Those measures calculated to re more the cause of the disease.

Class second. There measures calculated to prevent the action of the causes from reaching the senserium.

Under these lay classes we shall enceasewrite comprine act the remedies which have been used in this clima, and with the ferinciple of where action we are wegunished.

Classifient: Those measures calculated texemere the cause of the discove.

As there measures will vary according to the cause, our first endeavour should be to ascertain as far alfaf wills, by what agent the disease's produced In this al-



The irritation of decayed both how been stated as me of the causes. The presence of this iritation may often be ascertained with case, at others it is not scapparent; the diseased part being concealed from view. In this case the following measures are usually reserteate. When the disease is in the neck of the tooth and concealed by the gum, it may be detected by passing, a delicate, sharp point ted probe, with a slightly curved and, carefully around the toothe, when if any carity exists it will be perceived. When the disease is in the root of the tooth, striking on the crown of the suspected tooth with some metallic instru ment will be productive of considerable pain, Though we may have thus ascertained the presence of the decay, we are still uncertain that it is the cause of the disease. we know on the one hand, that the disease has been fore duced by this cause, and on the other, that they have con isted without any connection of in the former case, we ex



had the tech the disease is over a hat in the latter of is agravature. For have therefore action of the confinalities the latter of which is presented to be proposed to the sense of confine and the confine of the tempt to become out from extraction. It may be coupled different far vialing the afficient of the different far vialing the confine of the different far vialing to the afficient of the patient or to take ago to be defined to the confine of the different factor of the confine of the confi

In propose of tennor in colline persons invarions to make stated to be metter ourse of the discovery indicates among the discovery indicates in a factor in the affect of make in the affect of make in the affect of the affect o



mer of the humer be not convected with the move the simple veneral world be infpicied for y produced the sweet, but have the chief to differed them, to ending through the move to be and them the humer to lake all appellens with 35. Deem the have cours published bed by the E. Henne in the recome teleming the Tomoralism of a training for the improvement of solutions and Chinajian knowledge, the improvement of solutions and Chinajian knowledge, the latter operation weather have proported to the original of the training teleminated federally.

Snother course of the universe, is small consists in the consist in the new of the periodicum of the sevent tradicis the new of involved in the discussion or existeributed. This course some freed which of 23 ftm Matchiell in a consist published in the produce of the 25 ftm Matchiell in the produce of the 25 ftm Matchiell in the published in the produce of the 25 ftm Matchiell in the produce of the 25 ftm matchiell in the produce of the 25 ftm matchiell in the state of the 35 ftm matchiell in the state of the 35 ftm matchiell in the state of the 35 ftm matchiell in the sevent matchiell in the state of the stat



in propring with uran agree of fees upon the periodant, an approved period under it is inclinated by the proprince was the medicated from employed lythe according to the medicated from the according to the open the term and finished the periodation, there is the acting towns the free fitte periodation, the up the acting towns the freely periodated from the periodated from the acting towns the freely periodated from the influence of the between the freely periodated from the freely the direction of the freely of the freely according to the freely periodated.

Siem semme the phenemen employer a nit while it appropries that acceptive state or type feating in the circulation of the new views, is another and per in this case, that the deroquent among the interest of the deroy which the deroy which the deroy which the deroy which the deroy is nearly of in the certain of the appropriate from the deroy which with the arthuroung of the approaching casts will read the deroy which is a wither and of the approaching the the confidence manifest in the continuous which is a wither and of the approaching the second confidence of the approaching which will be continuous control to a to the deroy which is a second confidence of the deroy of the approaching to supplied the local confidence of the approaching with a local confidence of the approaching t



to turn our attention to the state of the general system. To much was ell Stornethy convinced of the importance of this measure, as to consider the disease to have its ori ginin a disturbance of the digestive organs and to de -pend on the resteration of their functions for acure. The measures to be used will reactly suggest them selves ac cording to the state requiring correction. In cases accompa mica by Tyresis Gustrodynia and other signs of aigustive derangement, much benefit may be derived from & melias, Par gatives, be. Emeties by removing acrid and offensive mattersand by reusing the action of the stemach often preve powerful a gents in restering the time of the system and in establishing the proper balance between the several parts. They have accordingly been strongly recommended brifefer Phy sick, by whom they have been found particularly beneficial in the descuse under consideration . Here they may have cured the disease, but in most cases, it will be need tary to fellow up their action by other remedies and funga lives are next employed. The plan of treatment adopted by AV Abernethy consists in the exhibition of fingrains of



the blue pill in the evening, to be followed on the succeeding morning by a small dove of Rhubart. These act gently on the bowels, producing a mild apperient effect. It is perhaps ewing to the combination of a mild laxative property with its tenie powers, that the Carbenate of Fron has proved so beneficial in the cure of Nairalgia. The successof this remedy has been generally ascribed to its action as a tonie, and in deved of one scruptle colefs, ils energial are displayed in the mere increased line imparted to the system. But when administered in larger deses, as ene or two wrachms repeated twice or thrice a day, greater activity how been observed in the peristallie motions of the alimentary canal and the alvine dischargeshard been rendered mere regular and more alundant. When increased to the quantity of half an ounce, it has the fel lowing effects, as stated in the A. American medical and surgical fournal, number six page 173. "the bow els were moved during the following day, and the pulse much weakened, an effect of invariable occurrence during the rule of the Carbonate"

Nearly the same remarks apply it the Whia mediant sub This arisete through greatly inferior lethe Cartenalisf bren, as a terria, may nevertheligh is eften actenitusyeewity wird affectably aftern the action of stamuet through well

The combination of an 6 meter with a jury when we wanty \$ % or Wilson will semalimes be more effective than either secretly alone.

Considering the annual an arming from a citain to countries of the assertice organs. I Strayer has eccummented the assert Inglie uses and Eurometic flowers of the angle from the arminest of the angle the care to be more respict than when producedly the Care mate of fire from any and or place of the formany and or place to the angulates of firm, the acid which to contain had party of the from the first angulates of the more and a first angulates of the new angulating and formal angulating the irritation of the angulating and against a grand angulating the contains an angulating and a grand angulating the contains an angulating and angulating the angulating the angulating and angulating angulating and angulating and angulating angulating angulating and angulating angulati

Huning corrected the accomplatitude of the eightim or an accompanied being found, on much tain curationrism to the sucre immediate, course of the exiscase, who are have stated to consider frequently in a conjugation in a few time of the setantisma. The meanery stal awing this state.



tobe first neticed, are General and Local bleeding The firmer may occasionally be required , but in a majerity of cases, there is so much detility as to render it inadmifsable, Lecal blee ding is of more general application. The greatest difficulty in its wee, is to determine the shot from which blood may to drawn with most advantage, for unlight to deaun from the neighbourhood of the affected part it will be productive of but little benefit Owing to the confined situation of the more in the face, weamnet expect much benefit from itsuse, unich the congestion is near the extremelies of the nerve. When thus situated, sarification of the gums, as recommen ded by Er Pary, will preve beneficial, When the disease affects the extremities, we may expect henefit from the detrace tion of blood in the course of the nerve, varying howeverils application, according as more or left benefit is derived by the lofs of blood from any particular spot.

From its tencing to reduce the pulse and equalicable the viscolation. Lightates has been used in the discourded and title tucofe. It semains allocialist the terments of the awais, one important of the awais, one important of the semains.



The debility which so often accompanies Neuralgia; by faceuring the opinion that this state of the system is ofsen hally concerned in the production of the disease has led to the use of tenies. The effect of this state will certainly bete aggravate the complaint by increasing local congestion. By the use of Jonies, we correct this state, promote an equality in the circulation and vender the nervous fitre left sus reptible of irritation. Such views of the action of Sinies will lead us to consider them as officiable to certain states of the disease and their utility is confirmed by experience. The Car beneate of iren, first recommended by Matchinden, has obtained most celebrity in the curs of Neuralyia, Seconding to this gentleman, the effects of the remedy are displayed in "increasing the general excitement; promoting the digestive powers and healthy secretions, giving a more florid hue to the blood and augmenting in a great degree the energy of the meascular filres." obvencey of such powers we would suppose to be beneficial evenin small acres, but its fre quent failure when thus given, convinces us that it is not to its tonic powers alone that we are inaubled for the



benefit derived from an increased dose. The additional property agained by this increase how been already mentioned and to the combined properties more is certainly due than to ather alone. The Cartenale of from has not, in this country, answered the high expectations raised by No Hutchinsens publication. Some cases have guilded to the remedy, but many more have received ne benefit. To what cause this may be attributed it is impossible to say It may be, that netyes being acconstituted to the use of the remody in so large deses, we have not acquired sufficient boldness to pushit the extent requisite to test its virtues. The mode of admin istoring the Cartenate, which appears most successful, is legive it descrop a drachm three times a day, and if this affords no relief to increase the dose. The only limits which appear to be set to this increase, is in the bulk of the remedy; half an ounce has been taken without any accelerious offects. Cocasionally we may commence with half a drachmata dose, but this quantity is selden sufficient to effect noure. This remedy when tempicial generally afferds relief in a few daysafterits first exhibition or an increase of the dese.



The Poruvian Buck and its proporations having been found officiacions in a form of disease, sain to resemble Souralgia but a forming a periodical character, came also to be employ win the form under consideration. The succes fronthe use of the Sulphate of Luinine in France exhabits much in its favour. From the accounts there published, it would seem to require but a short period to effect acure. The doses in which the Sulphate was exhibited considerably exceeded the casual quantity, in serve outes as much as eight grains reargiven three limes a day, Asit is usual for a medicine to acquire some new property by an increase of the dose, the same result would be expected in this case, and we arenot awafficiated. The Gattie practioners according to mant accounts, now give it in doves of an grains as a sedalive, a weporty of some value in this disease. The result of the use of the Luinine in this country, we have no means of ascertain ingold is probable that it has been employed and with but litthe successif we may judge from the silence on the subject.

The programmens of Arrenic lawe absolution used succeptfully. This remedy was first recommended by M.



Will, in else quar HTM, as longined in those bases of Neural ya accompanica (greet ilig This semang theogh appared gappelinethi lives conservey in a morthelife term pictus meases exhibiting in such appearance. This sement has also parties in muna justames, who we are unable to day. Neverthalp in sement these cares though not infficient a effect secure, it of ten pallactiothe distance.

Then are the most important of the Venire wheat have been employed in Sunalga. The proposations of what have been employed, but increased the Nicoley distinct have been employed, but increased as a profess according to their means to make the proposation of the sunal profess according to the laterage latera. This employed in the tenengas of the country, have of their professionary of the country, have of their professionary of the country, and of their remembers may prese according. The neighbors are the inches an excellent adjuvant, it strongthes the species and country to rether the energy one equilibrium and these professions are trained the energy one equilibrium of the circulation.

Stimulants have even simuly been employed with benefit. The lingura-Guiaci ammeniata was used by Dr.



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Survaine of bountermitants in removing local congestion, consider them negative to the disease uniter consideration, vinite them of the disease to uniter consideration, though the disease point of the much visions to place on their officers. Hen writer with the three to find a writer with the three differences that the three wife that whether the the survey local three with the three wife that the survey they are placed to the survey they are placed to the survey they are placed to the survey they were find the three wife that we will take the three would be the survey that the world the survey that the three world to the survey the world the world



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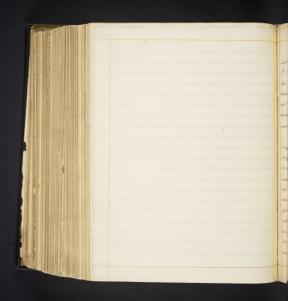
His last remenz to be montimated ellerungurgation sudication. This has considerably conquered the distance, but it is one of curloot researces and by monas myniting. When it does not spect across to often aggrains the clisicase. Semilimes the gover of ject to it enty adaptation to state that any adaptation is kept up, at others they are not manifest mate the scaling of the succession of the moreous is subsiding.



Chap second. Those measures calculated to proved the action of the course, from affecting the sensecium.

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The first article of this class, which was employed in the discresse, is the Country for the run of which we are industence 2° f Gethergill, In the amount of locate graining way, he found it le procuse facus other first, if conti-



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The External who of those articles humanese prevent to acquiremed. This more when it can be unex succeptually lety be proposed, as the injurients, speciar acknowly avoided. Fing are to applicae in the form athered an anguest explaints a three streams ties of the affected area. Each the same conditions to the same conditions of the arms of the arms conditions of the arms of the arms of the form of this lay may often be attributed to the impurity of the successive critics and have given in across supposed to tring the systemana and printer its entirel. These materiaes are form functionally the arms or success of the conference of the systemana and printer its centrel. These materiaes are fore functionally the arms or a unique or of the system in a consistency united to the control. These materiaes are fore functionally for arms or a unique or of the system is a control. These materiaes are fore functionally the arms or a unique or of the system or to be greater to the arms of the system of the system in a control of the system of the syst



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